

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082119\
 Data File : VD063722.D
 Acq On : 21 Aug 2019 19:28
 Operator : JC/SY
 Sample : K4418-04
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 CFVP-228L

Quant Time: Aug 22 02:07:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	135990	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	210649	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	137257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	38375	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	165199	113.65	ug/l	-0.02
Spiked Amount			Recovery	=	227.30%	
35) Dibromofluoromethane	6.92	113	130861	73.76	ug/l	-0.02
Spiked Amount			Recovery	=	147.52%	
50) Toluene-d8	10.41	98	212067	54.37	ug/l	0.00
Spiked Amount			Recovery	=	108.74%	
62) 4-Bromofluorobenzene	13.55	95	63060	35.67	ug/l	0.00
Spiked Amount			Recovery	=	71.34%	

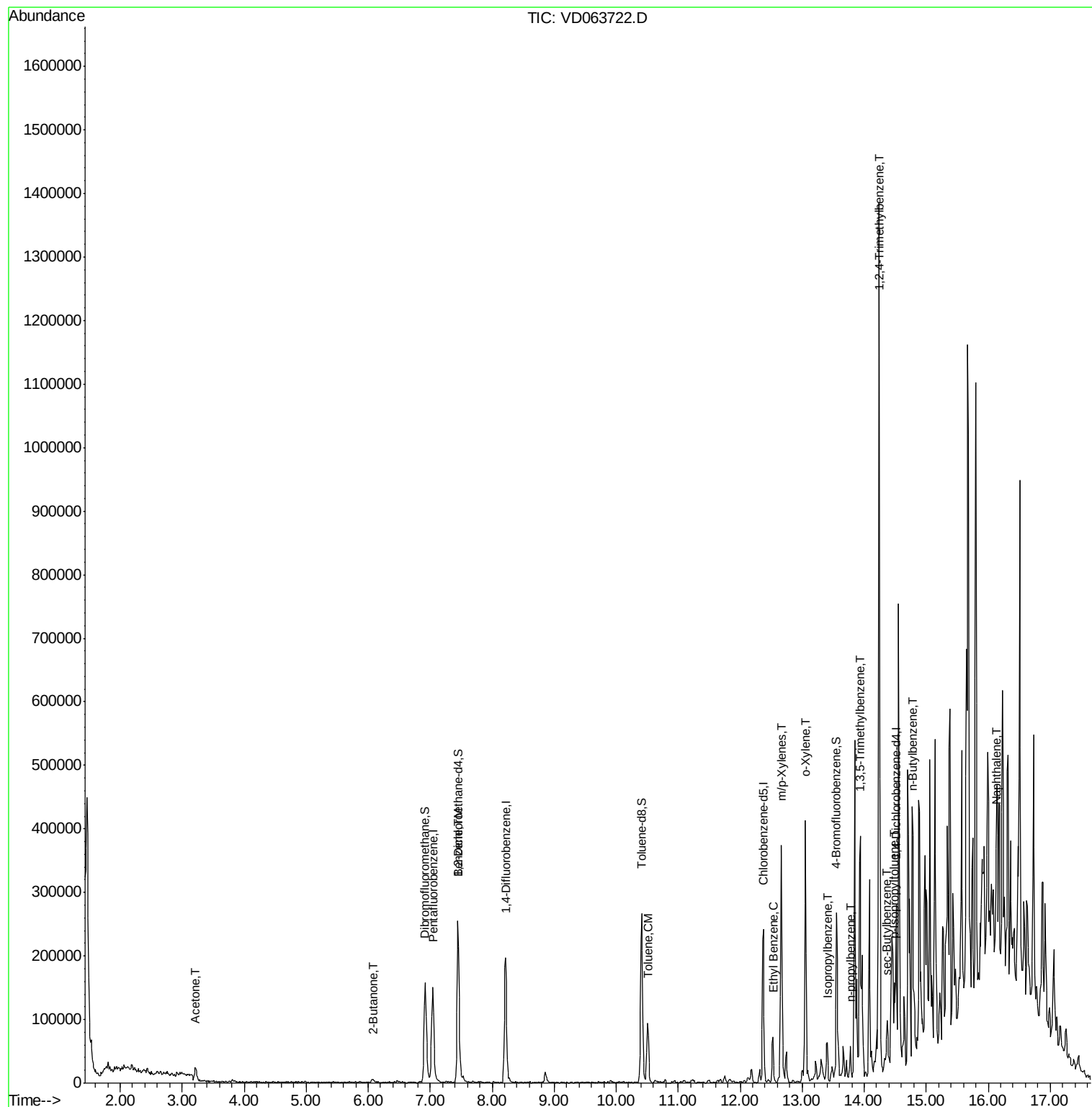
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.21	43	40316	136.436	ug/l	97
25) 2-Butanone	6.08	43	11348	38.884	ug/l	99
40) Benzene	7.45	78	109261	26.662	ug/l #	87
52) Toluene	10.51	92	48429	18.348	ug/l	96
67) Ethyl Benzene	12.53	91	44487	9.946	ug/l	95
68) m/p-Xylenes	12.67	106	94811	60.331	ug/l	87
69) o-Xylene	13.05	106	83399	55.139	ug/l	77
73) Isopropylbenzene	13.41	105	24015	9.839	ug/l	82
78) n-propylbenzene	13.78	91	36090	12.637	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	181059	84.898	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	650650	329.729	ug/l	92
85) sec-Butylbenzene	14.37	105	25572	10.722	ug/l	97
86) p-Isopropyltoluene	14.49	119	58423	25.620	ug/l	98
89) n-Butylbenzene	14.79	91	11876m	5.706	ug/l	
95) Naphthalene	16.12	128	80850	70.819	ug/l #	93

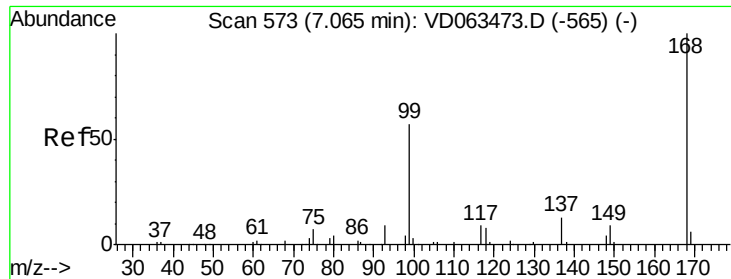
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082119\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

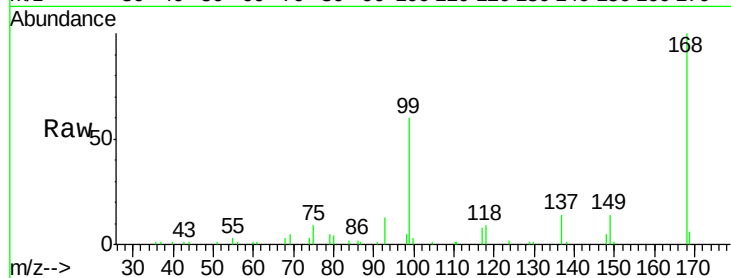
CFVP-228L

Tot Ion:168 Resp: 135990

Ion Ratio Lower Upper

168 100

99 59.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

60000

50000

40000

30000

20000

10000

0

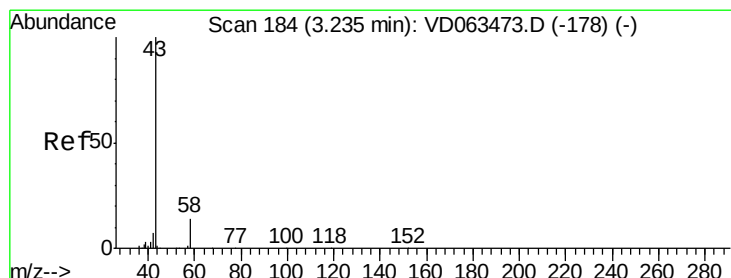
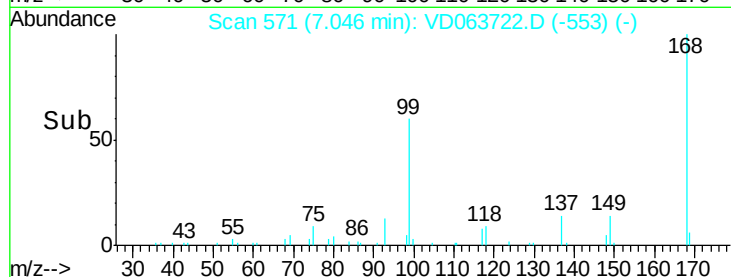
Time-->

6.90

7.00

7.10

7.20



#16

Acetone

Concen: 136.436 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063722.D

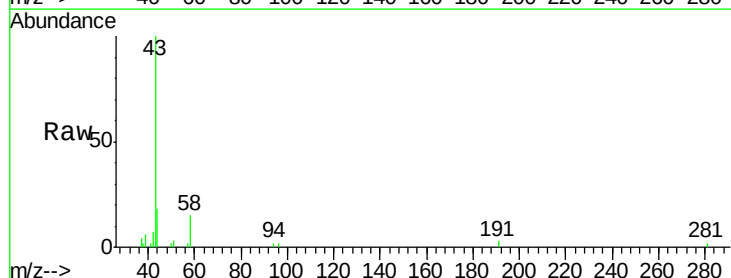
Acq: 21 Aug 2019 19:28

Tgt Ion: 43 Resp: 40316

Ion Ratio Lower Upper

43 100

58 15.4 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

15000

10000

5000

0

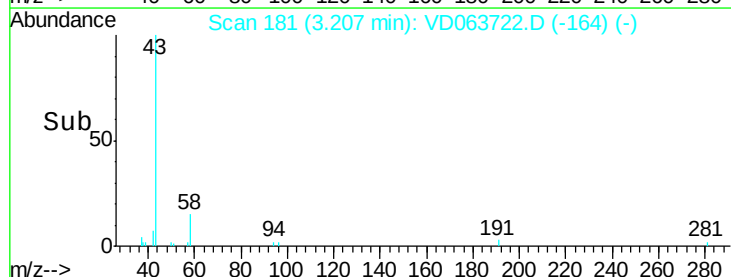
Time-->

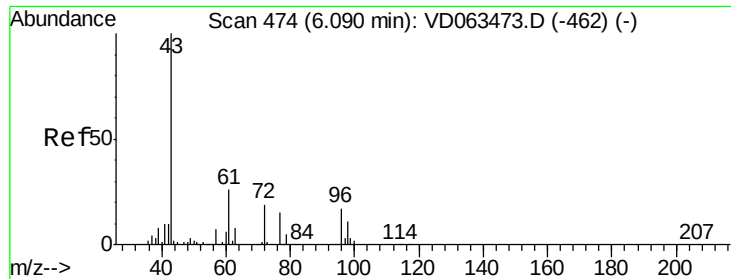
3.10

3.20

3.30

3.40





#25

2-Butanone

Concen: 38.884 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

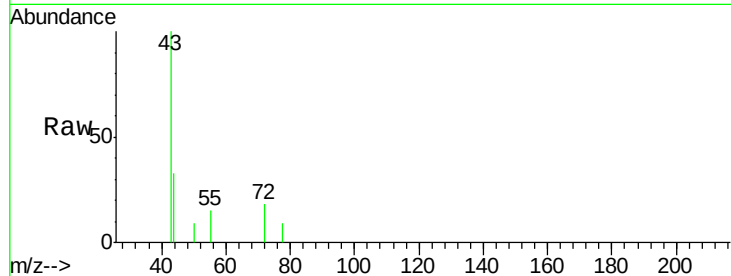
CFVP-228L

Tot Ion: 43 Resp: 11348

Ion Ratio Lower Upper

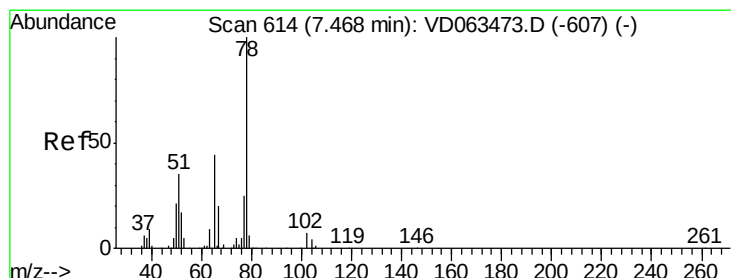
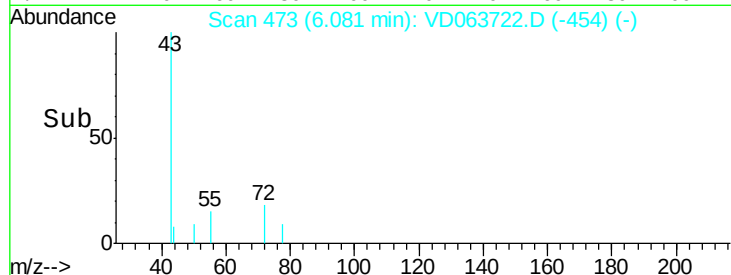
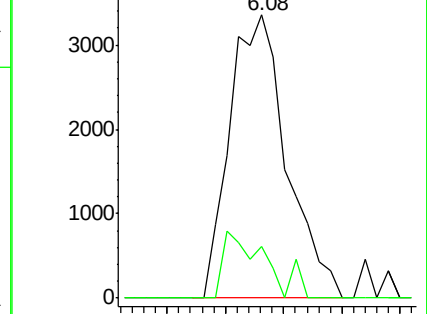
43 100

72 18.3 15.1 22.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 113.646 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063722.D

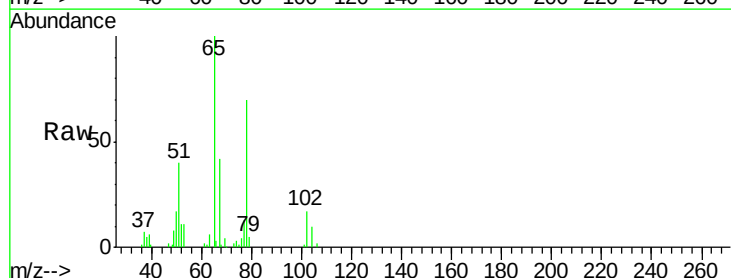
Acq: 21 Aug 2019 19:28

Tgt Ion: 65 Resp: 165199

Ion Ratio Lower Upper

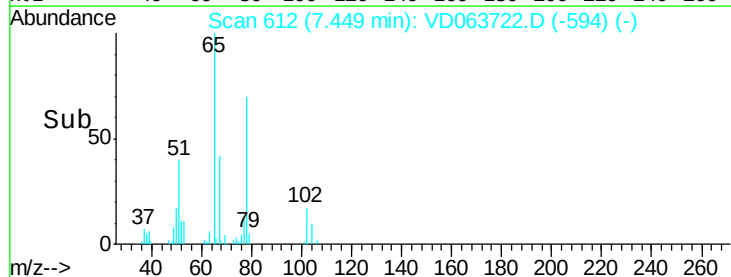
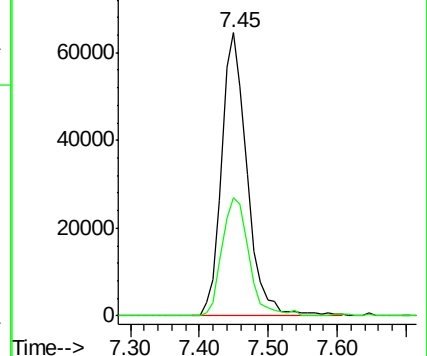
65 100

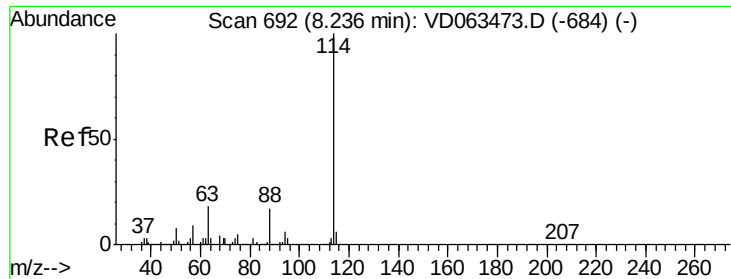
67 42.0 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampled :

CFVP-228L

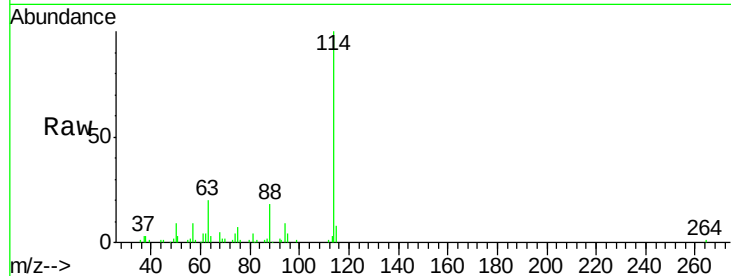
Tot Ion:114 Resp: 210649

Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.2

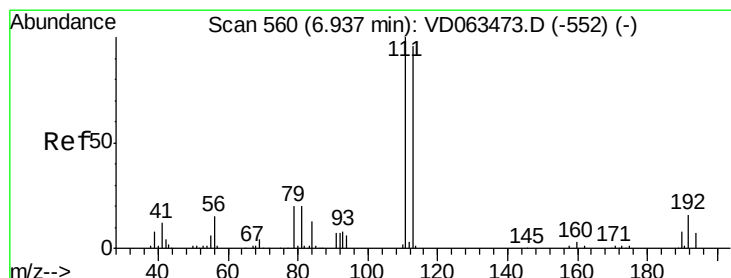
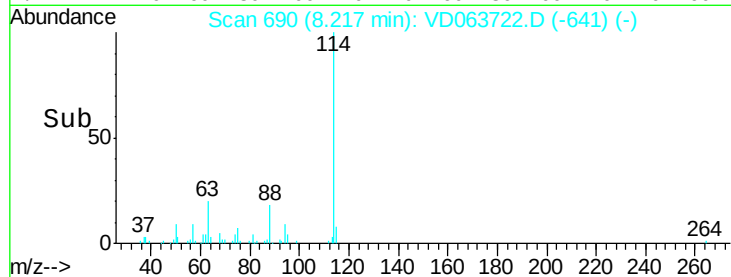
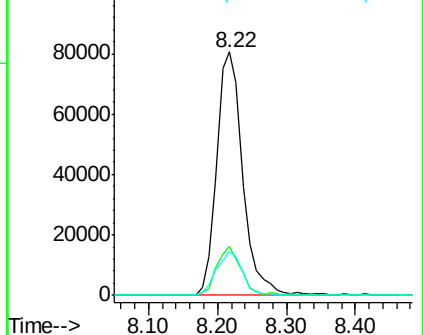
88 18.0 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 73.762 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

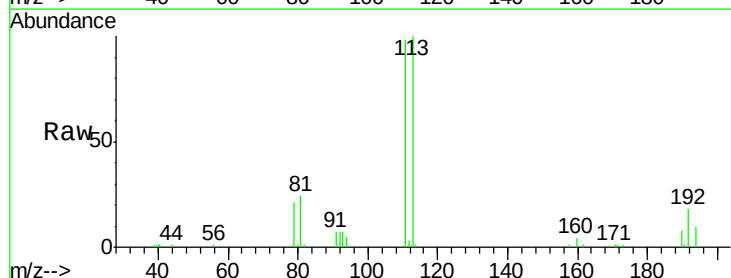
Tgt Ion:113 Resp: 130861

Ion Ratio Lower Upper

113 100

111 98.0 83.1 124.7

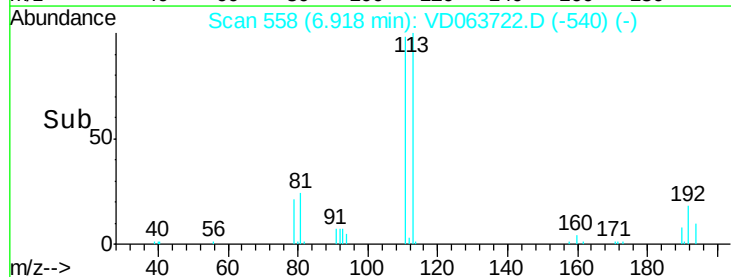
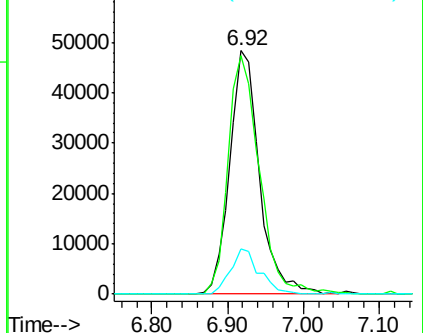
192 18.3 13.1 19.7

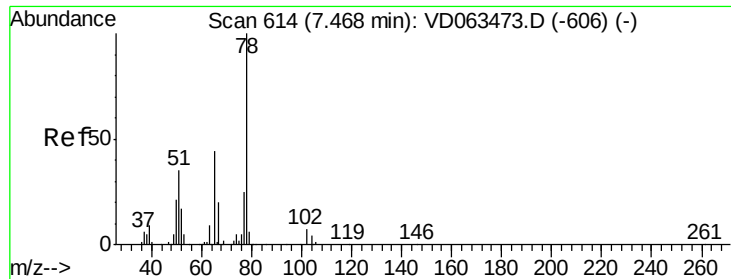


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#40

Benzene

Concen: 26.662 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

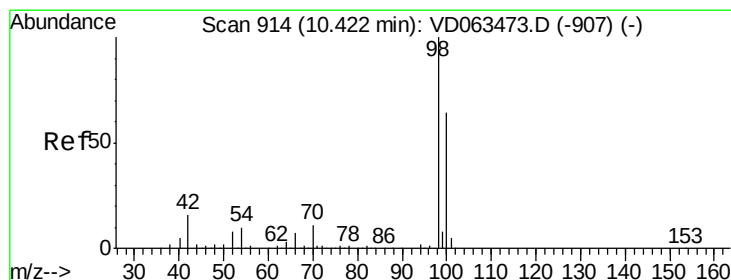
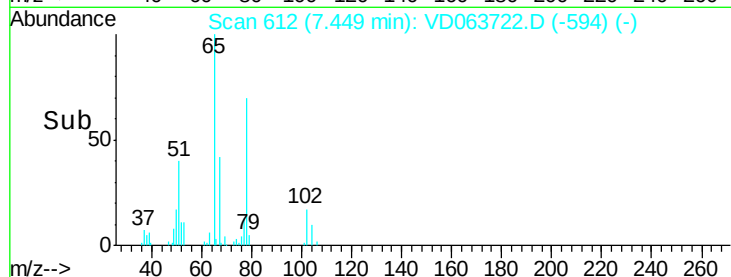
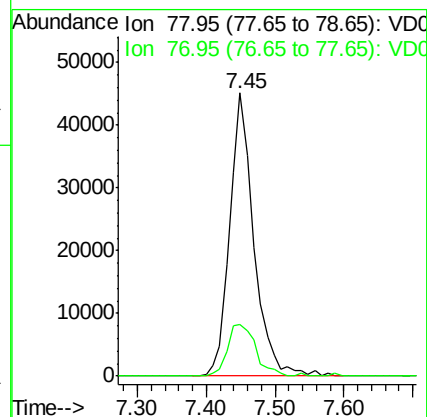
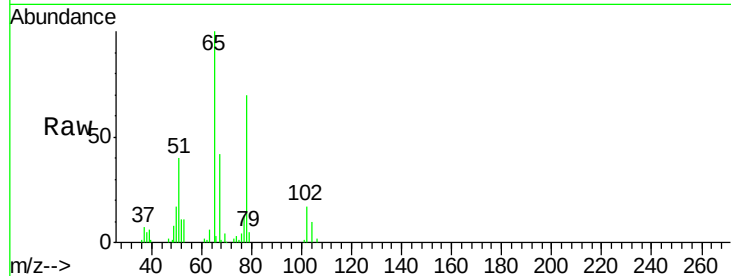
CFVP-228L

Tot Ion: 78 Resp: 109261

Ion Ratio Lower Upper

78 100

77 18.3 20.1 30.1#



#50

Toluene-d8

Concen: 54.370 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063722.D

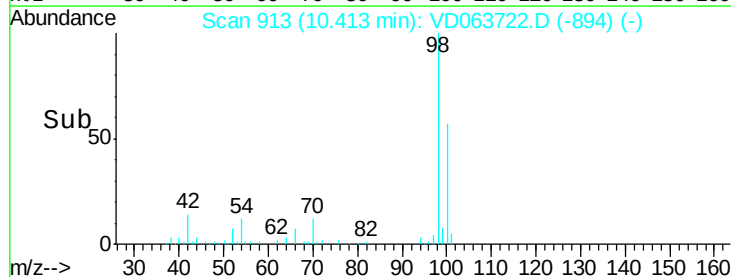
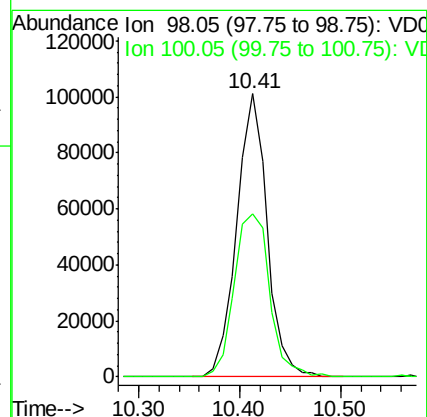
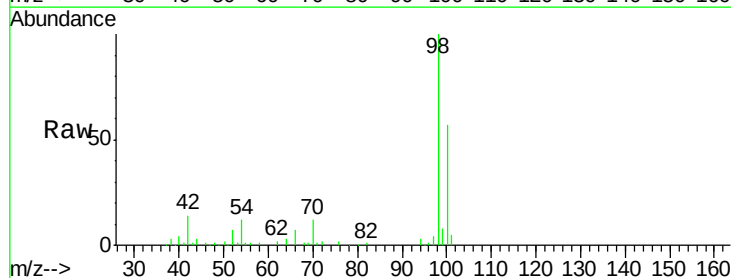
Acq: 21 Aug 2019 19:28

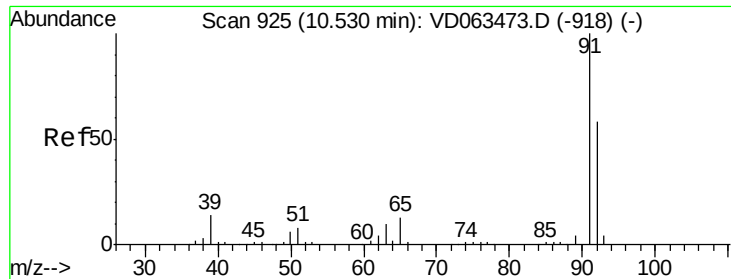
Tgt Ion: 98 Resp: 212067

Ion Ratio Lower Upper

98 100

100 57.4 51.7 77.5





#52

Toluene

Concen: 18.348 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

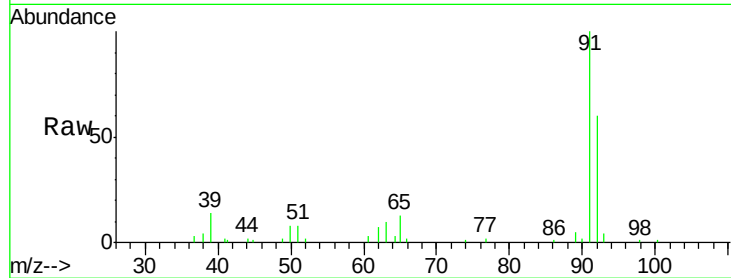
CFVP-228L

Tot Ion: 92 Resp: 48429

Ion Ratio Lower Upper

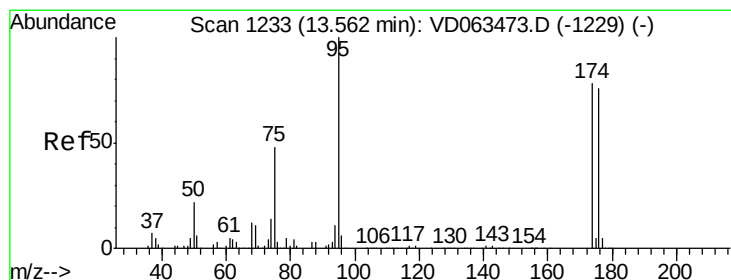
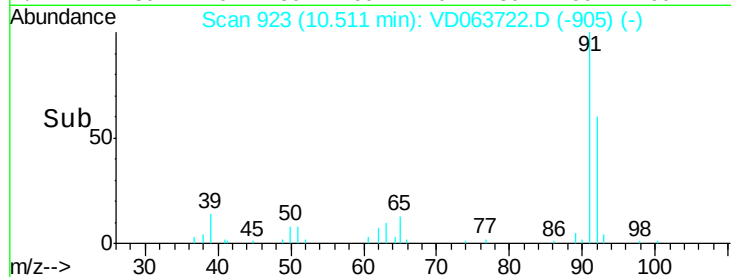
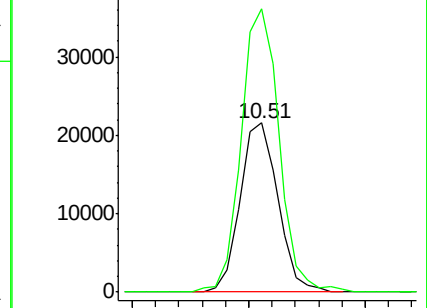
92 100

91 167.3 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 35.671 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

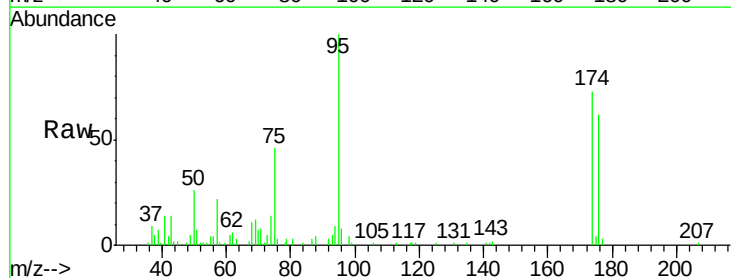
Tgt Ion: 95 Resp: 63060

Ion Ratio Lower Upper

95 100

174 72.6 0.0 155.4

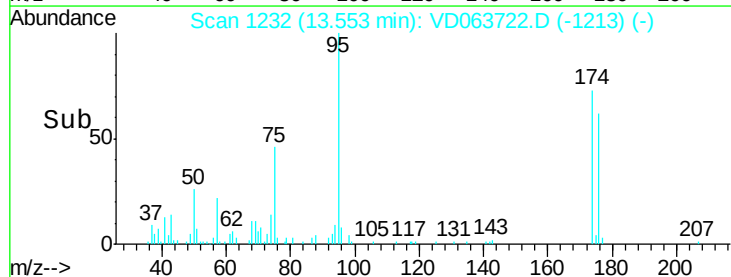
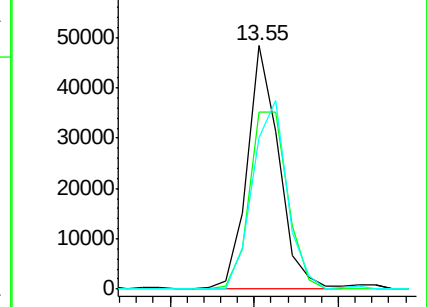
176 62.2 0.0 152.4

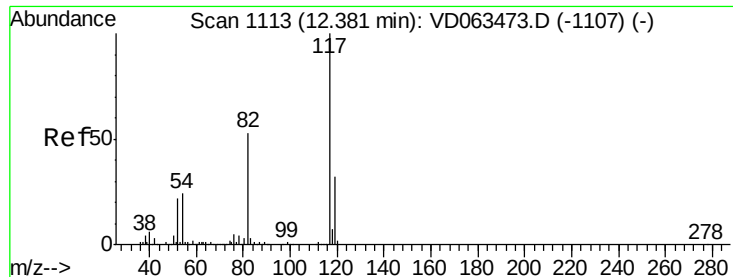


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

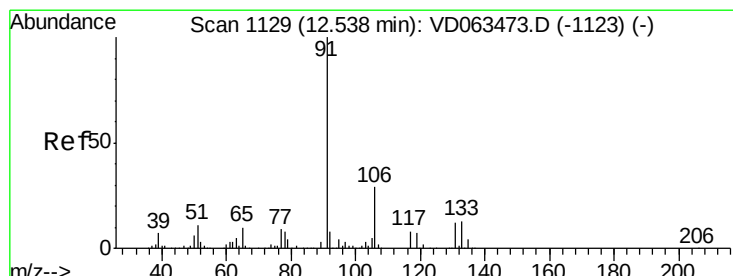
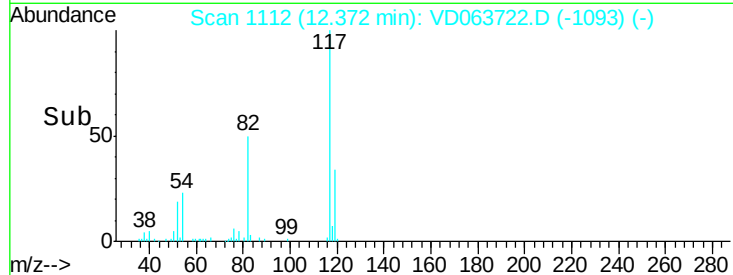
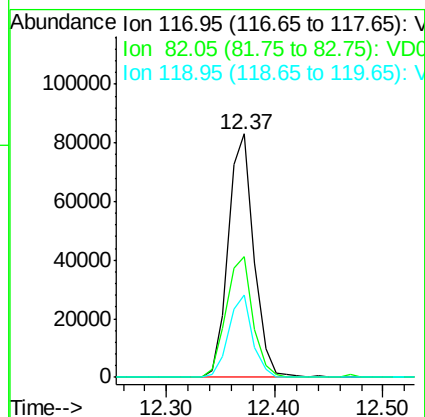
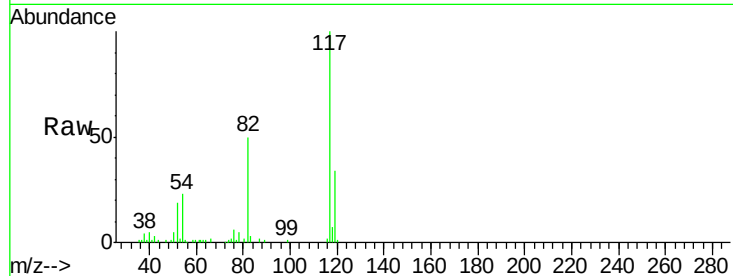




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

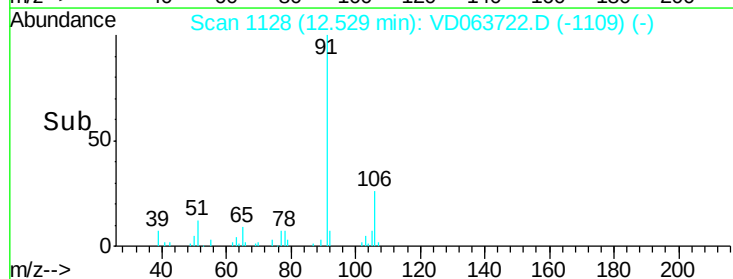
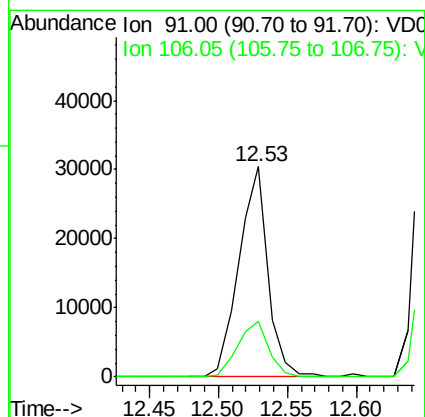
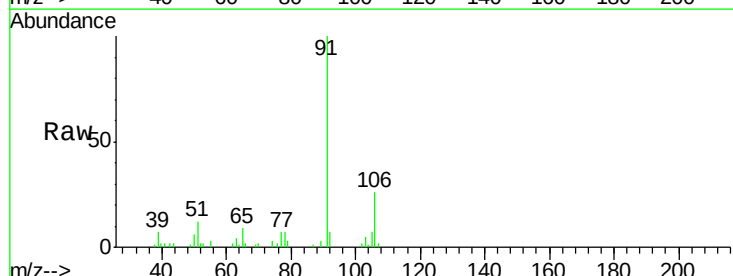
Instrument :
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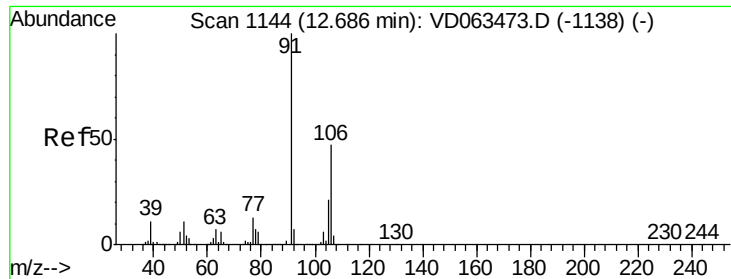
Tot Ion:117 Resp: 137257
Ion Ratio Lower Upper
117 100
82 49.6 42.0 63.0
119 33.6 25.4 38.0



#67
Ethyl Benzene
Concen: 9.946 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

Tgt Ion: 91 Resp: 44487
Ion Ratio Lower Upper
91 100
106 26.5 23.1 34.7

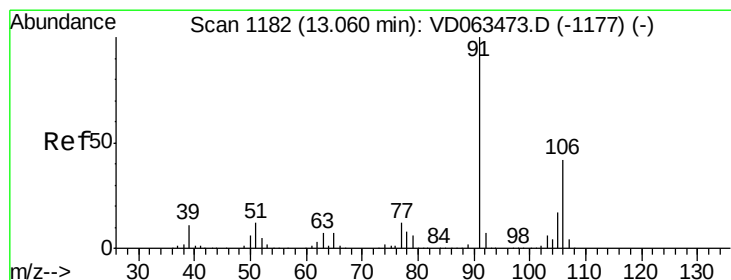
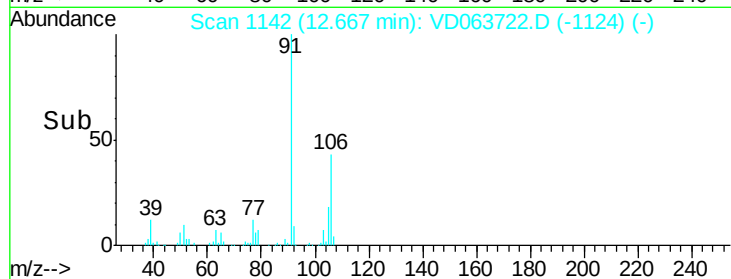
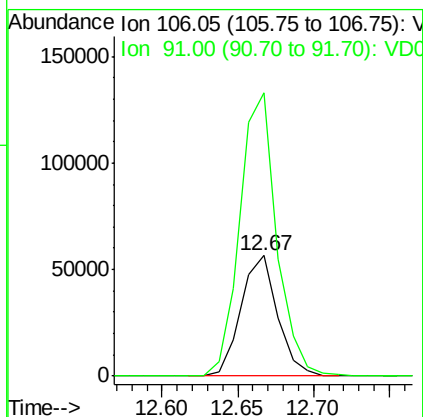
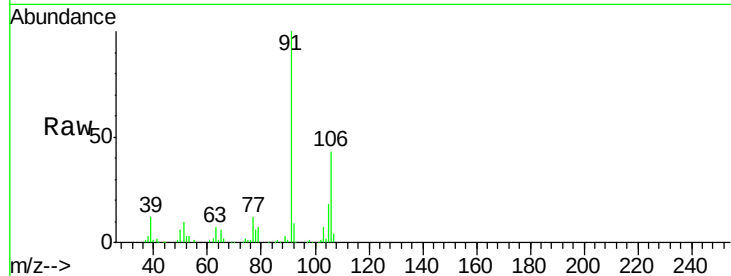




#68
m/p-Xylenes
Concen: 60.331 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.02 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

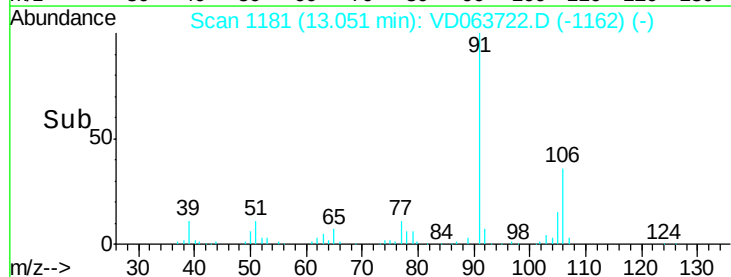
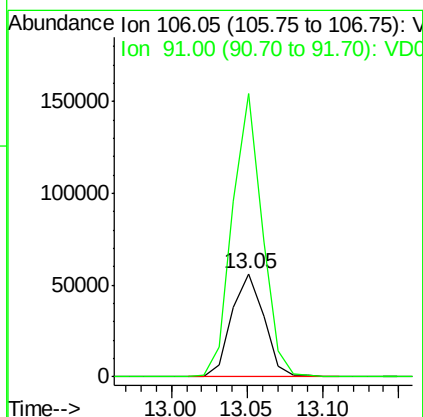
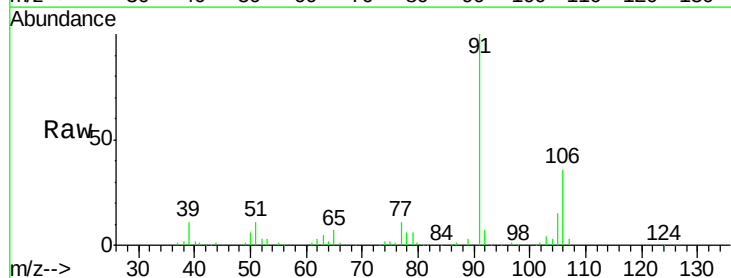
Instrument :
MSVOA_D
ClientSampleId :
CFVP-228L

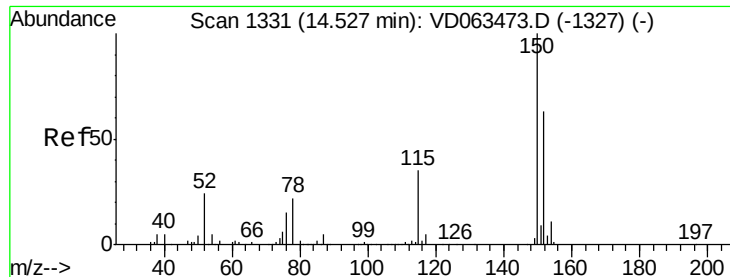
Tot Ion:106 Resp: 94811
Ion Ratio Lower Upper
106 100
91 234.9 171.8 257.8



#69
o-Xylene
Concen: 55.139 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD063722.D
Acq: 21 Aug 2019 19:28

Tgt Ion:106 Resp: 83399
Ion Ratio Lower Upper
106 100
91 274.3 118.1 354.2

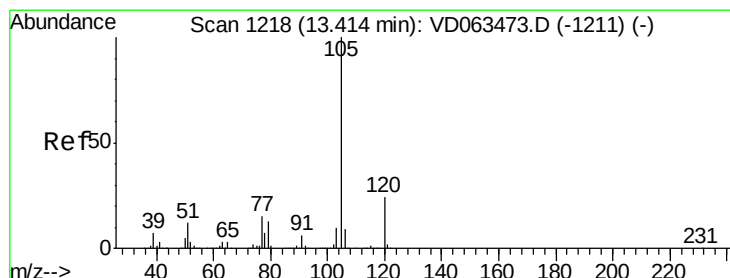
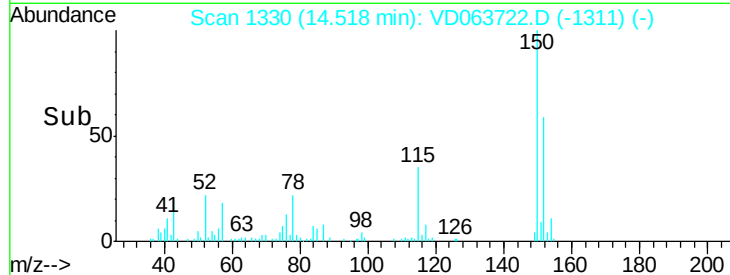
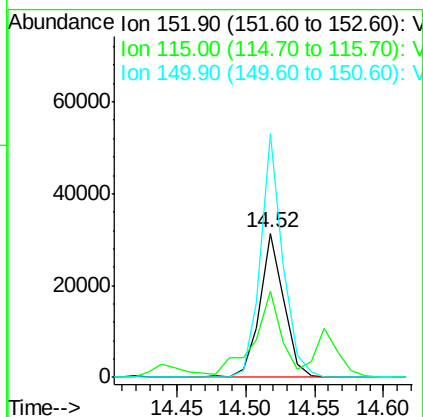
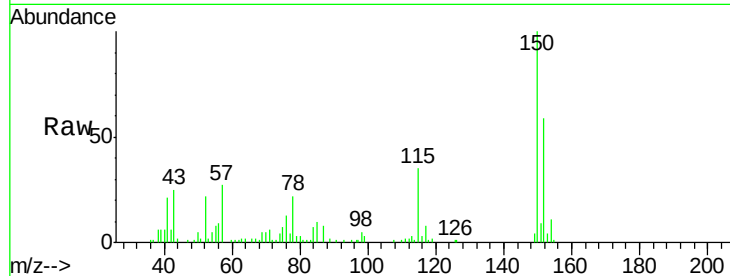




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

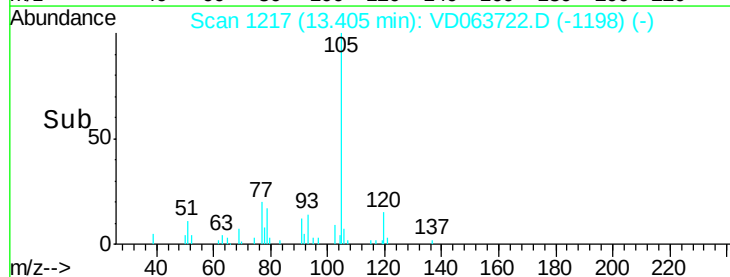
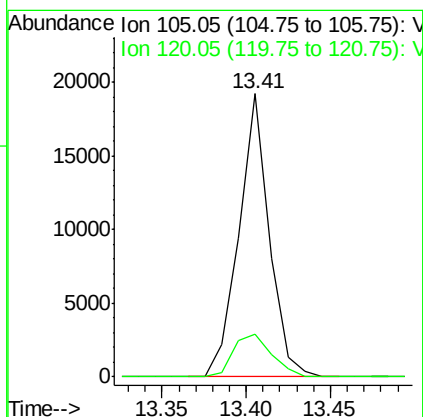
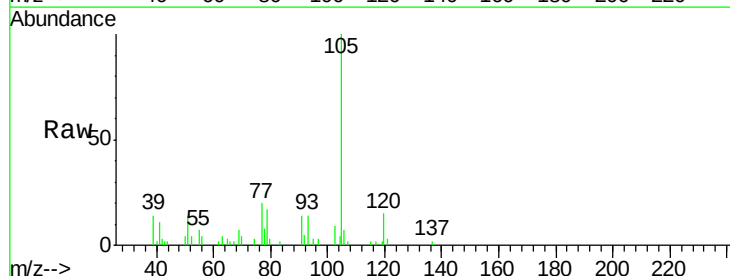
Instrument :
 MSVOA_D
 ClientSampleId :
 CFVP-228L

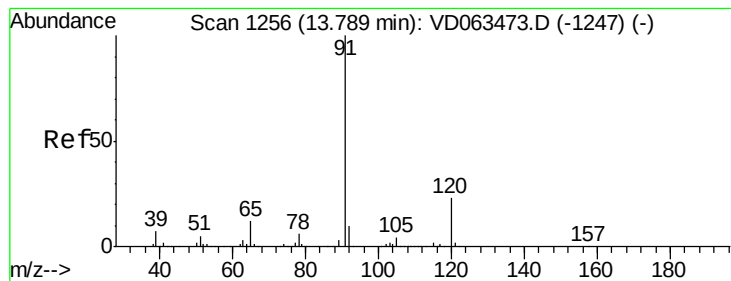
Tot Ion	Ratio	Lower	Upper
152	100		
115	59.9	30.9	92.7
150	169.3	0.0	318.6



#73
 Isopropylbenzene
 Concen: 9.839 ug/l
 RT: 13.41 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	15.1	11.9	35.9





#78

n-propylbenzene

Concen: 12.637 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

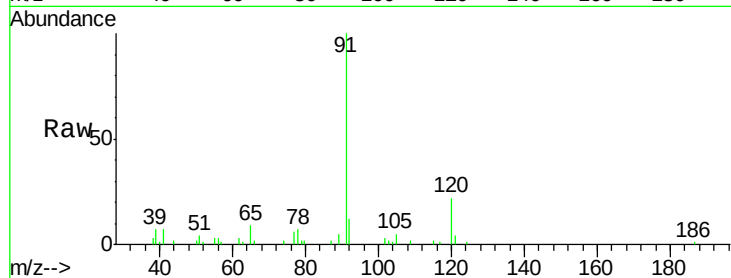
CFVP-228L

Tot Ion: 91 Resp: 36090

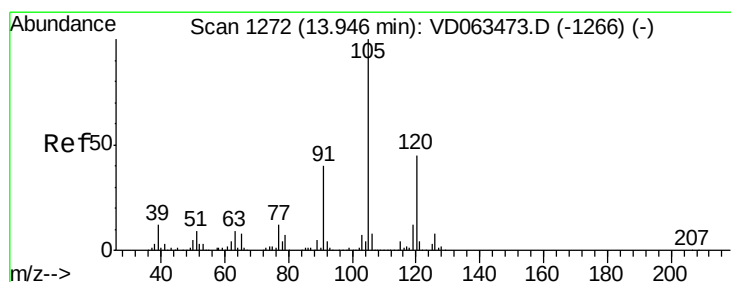
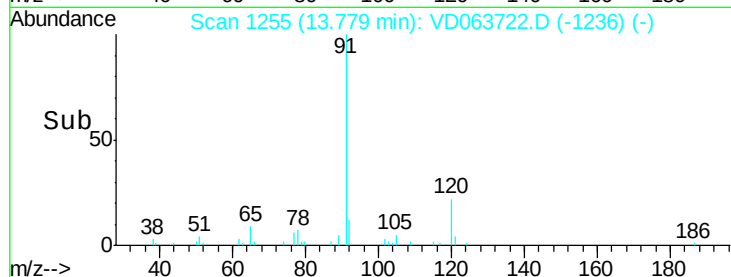
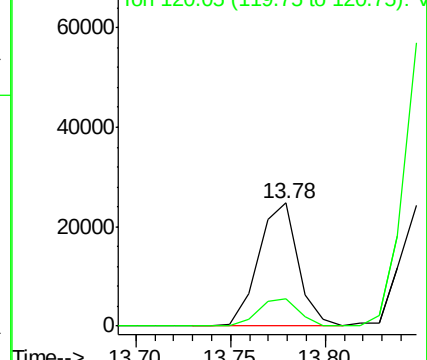
Ion Ratio Lower Upper

91 100

120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VD063473.D (-1247) (-)



#80

1,3,5-Trimethylbenzene

Concen: 84.898 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD063722.D

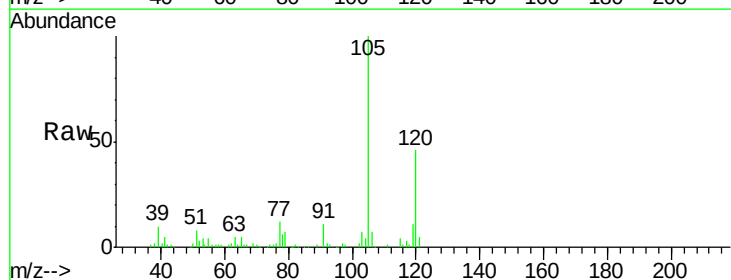
Acq: 21 Aug 2019 19:28

Tgt Ion: 105 Resp: 181059

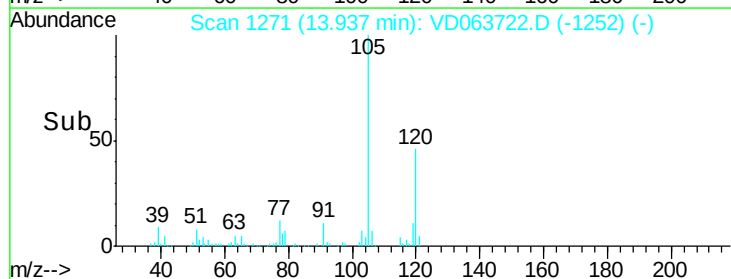
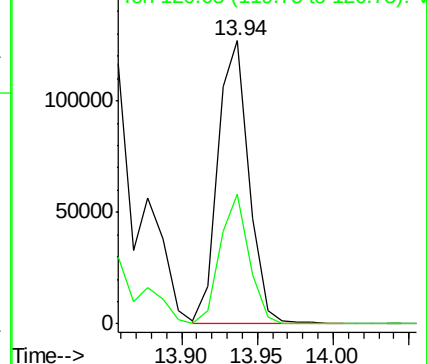
Ion Ratio Lower Upper

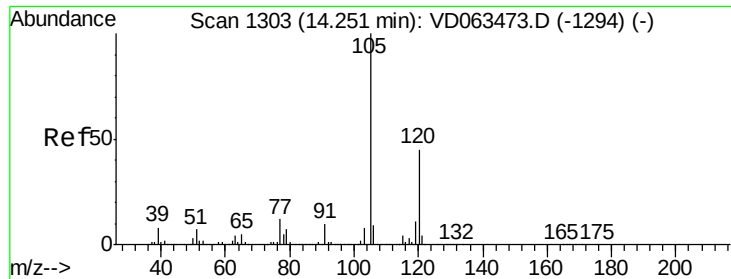
105 100

120 45.8 22.8 68.3



Abundance Ion 105.05 (104.75 to 105.75): VD063473.D (-1266) (-)

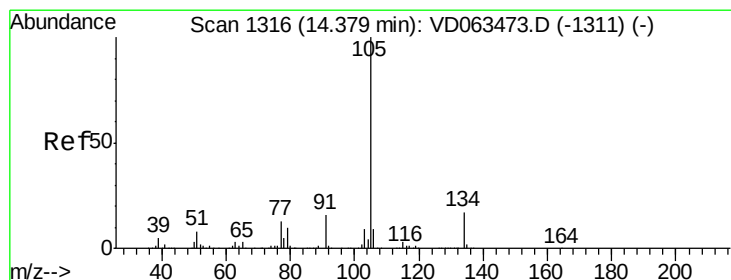
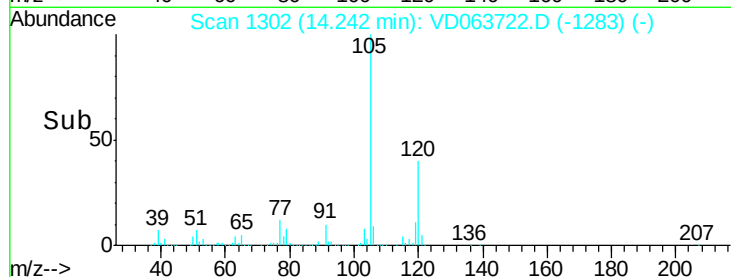
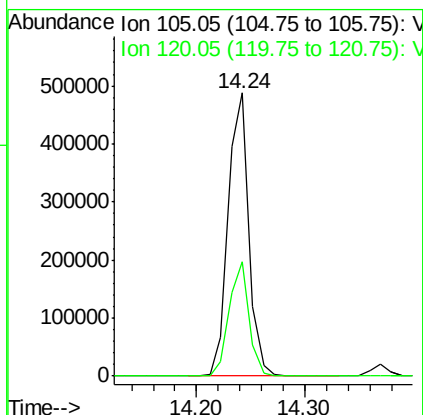
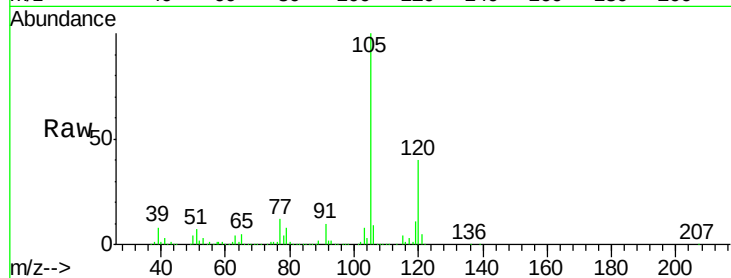




#84
 1,2,4-Trimethylbenzene
 Concen: 329.729 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

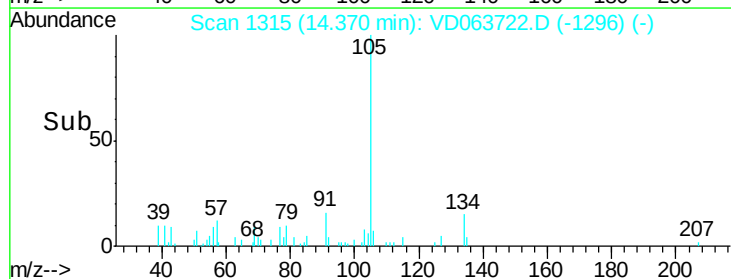
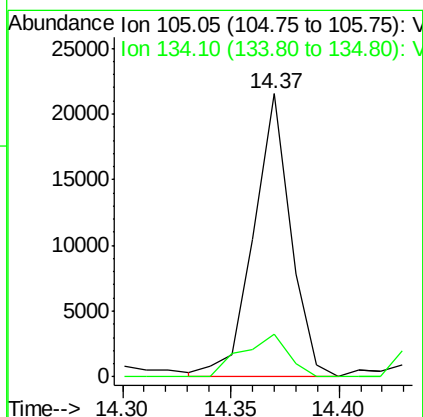
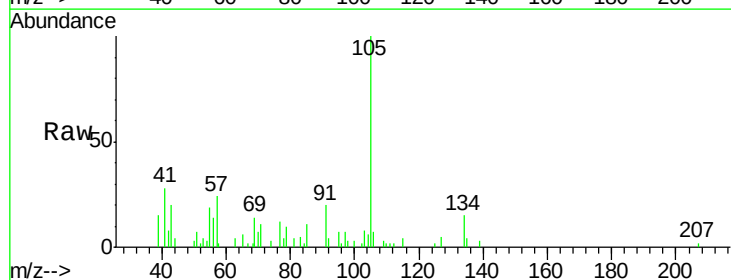
Instrument :
 MSVOA_D
 ClientSampled :
 CFVP-228L

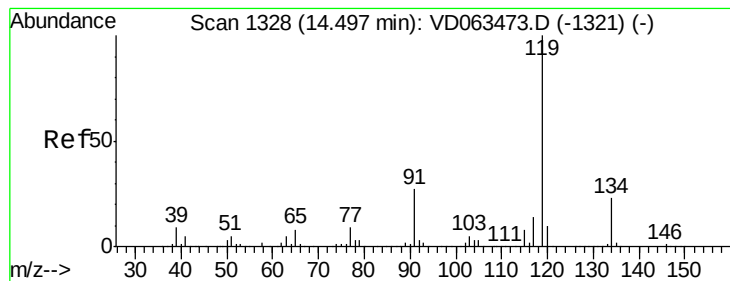
Tot Ion:105 Resp: 650650
 Ion Ratio Lower Upper
 105 100
 120 40.3 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 10.722 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VD063722.D
 Acq: 21 Aug 2019 19:28

Tgt Ion:105 Resp: 25572
 Ion Ratio Lower Upper
 105 100
 134 15.3 8.3 24.8





#86

p-Isopropyltoluene

Concen: 25.620 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.01 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

CFVP-228L

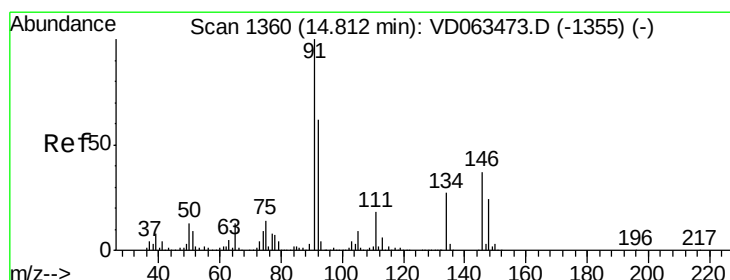
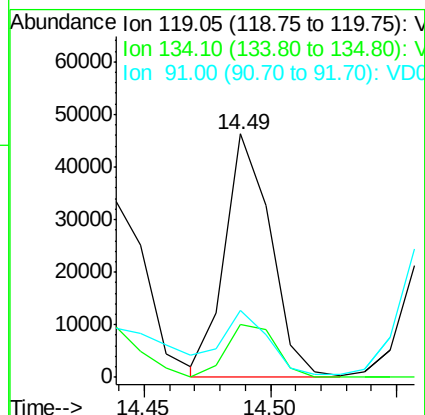
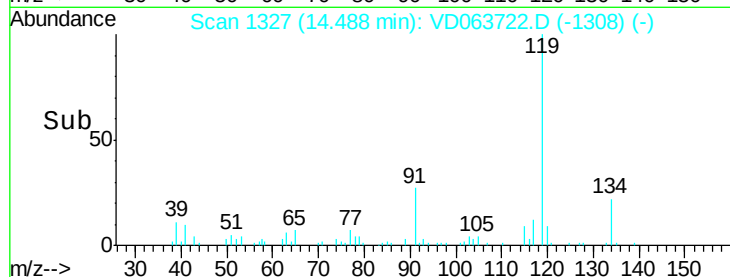
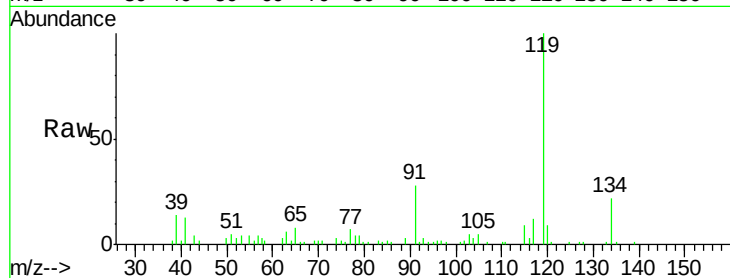
Tot Ion:119 Resp: 58423

Ion Ratio Lower Upper

119 100

134 21.8 11.3 33.8

91 27.8 13.5 40.4



#89

n-Butylbenzene

Concen: 5.706 ug/l m

RT: 14.79 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

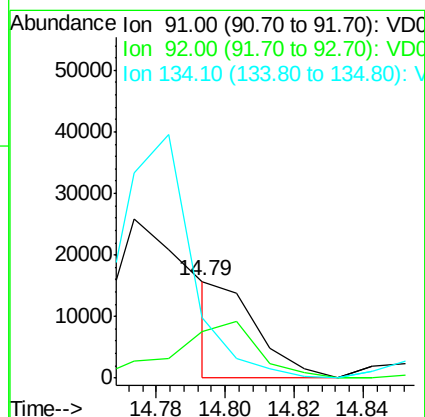
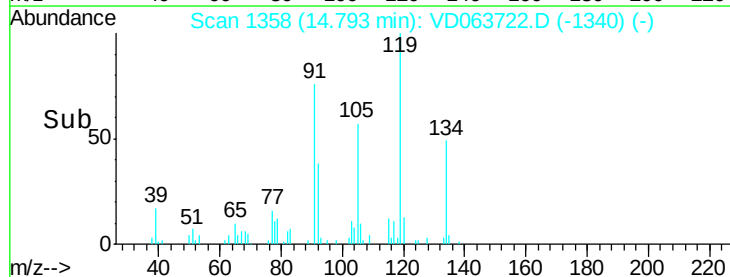
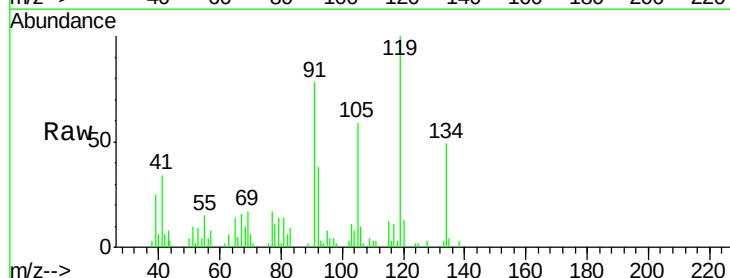
Tgt Ion: 91 Resp: 11876

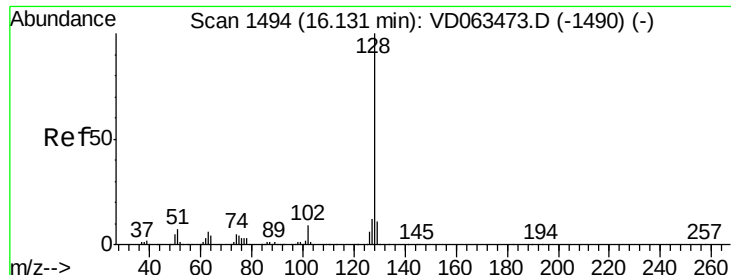
Ion Ratio Lower Upper

91 100

92 48.4 30.8 92.3

134 62.9 13.4 40.2#





#95

Naphthalene

Concen: 70.819 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD063722.D

Acq: 21 Aug 2019 19:28

Instrument :

MSVOA_D

ClientSampleId :

CFVP-228L

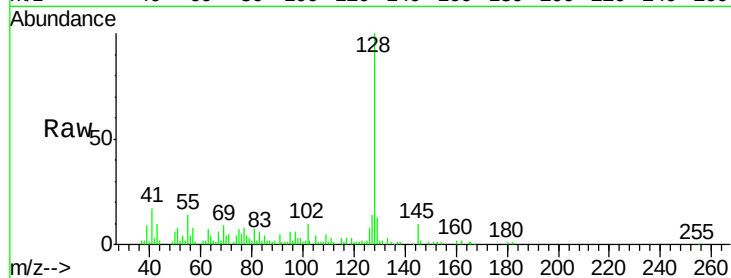
Tot Ion:128 Resp: 80850

Ion Ratio Lower Upper

128 100

127 14.5 9.4 14.0#

129 13.2 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

